



A HAVER & BOECKER BRAND

Your Partner in the
Cocoa Industry

Your product - Our focus: The optimal packaging for your cocoa industry



We have specialised in the filling of your products.

We develop solutions that take into account the quality requirements of the food industry as well as the trends in the international packaging industry. We deliver:

- Bagging systems for valve bags, open-mouth bags, FFS bags and big bags
- Palletisers
- Conveyors
- Bulk loading technology
- Digital products for process visualisation, warehouse logistics and recording of the plant effectiveness

Our solutions provide you with significant advantages:

- Profit maximisation through optimal product processing with a high weight accuracy, with improved product and moisture protection
- Cost reduction due to a clean working environment and minimised cleaning effort
- Image plus through optimally filled attractive bags that are easy for your customers to handle
- Reduction of delivery costs due to low packing volumes

We are happy to advise you.

In our INSTITUTE we analyse your products and determine the optimal machine and bag design.



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PROcheck - The complete view of your packaging process



Maximise your profits with PROcheck.

Using our new PROcheck approach, we examine the potential of our customers' processes. The aim is to optimise machines, systems and plants in such a way that they can operate even more successfully and profitably.

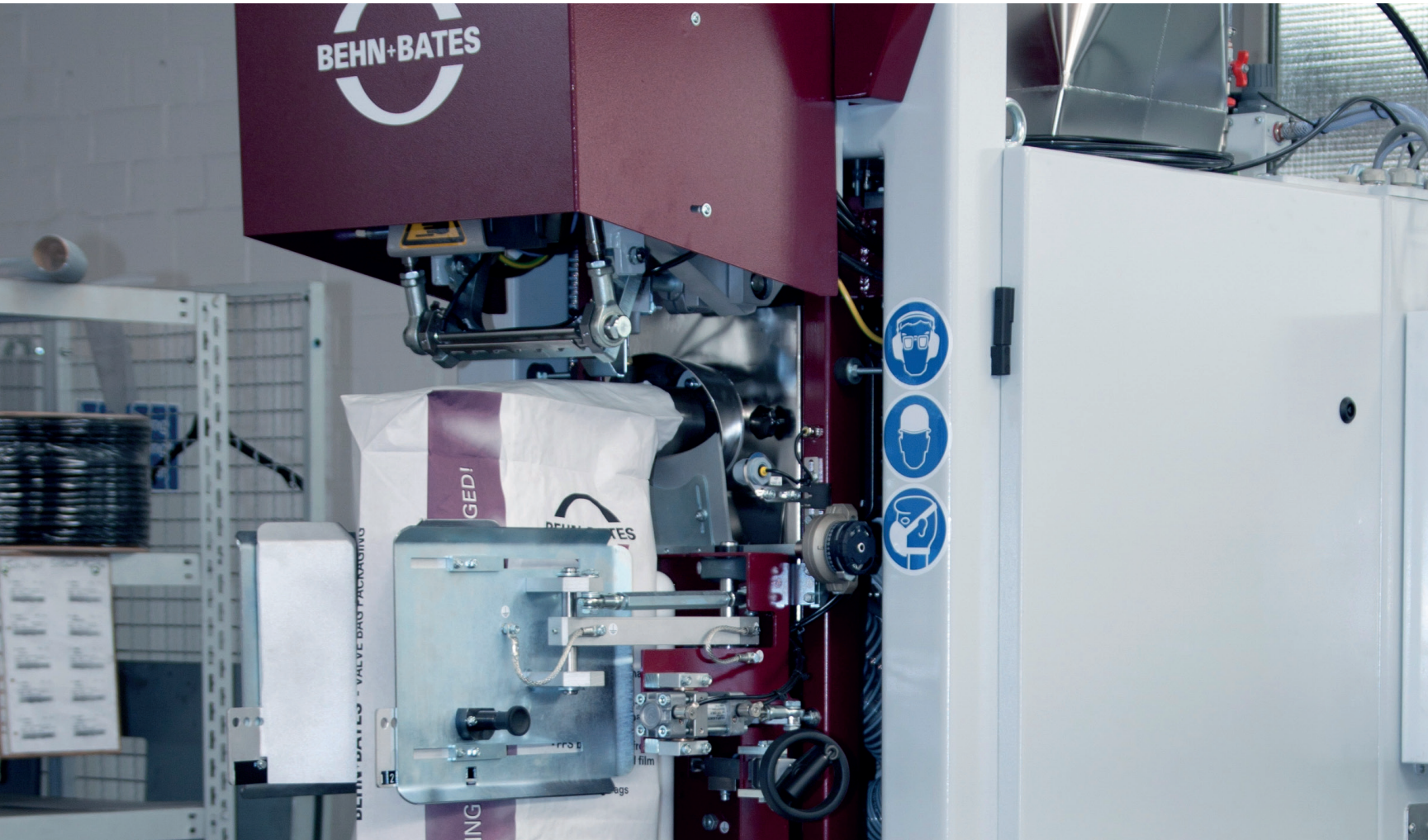
PROcheck

Diagnostics	Take advantage of our services, software and analytical equipment, in order to achieve the best possible economic result with your process.
Systems & plants	Under the umbrella of our parent company, Haver & Boecker, we have gathered the best brands to give you an installation or system without compromise.
Process engineering	Shape your concepts and ideas with our customised, experience-based engineering services.
Equipment	Use the correct machine technology, adapted to the specifications of your products, to meet your expectations.
Consumables	We advise you on your consumables (e.g. empty bags) at every stage of your project, we develop proposals and supply you with the consumables.
Original parts	Do not compromise; buy BEHN + BATES original parts. Our original parts are your guarantee that your system will be run optimally.
Modernisation & conversion	Pick up on new developments and technologies by converting and modernise your plant - and bring it up to the standard you need today.
Service	Combine your experience with ours to ensure professional commissioning for your line start-up and consistent packaging quality through regular support.

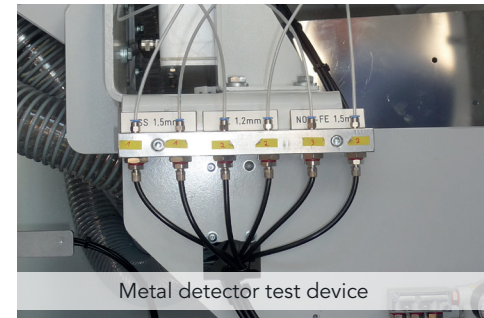
We are there for you.

With our life-cycle approach PROcheck, we improve and extend the service life of your equipment. You thus stay in PERFECT FLOW in the future as well.

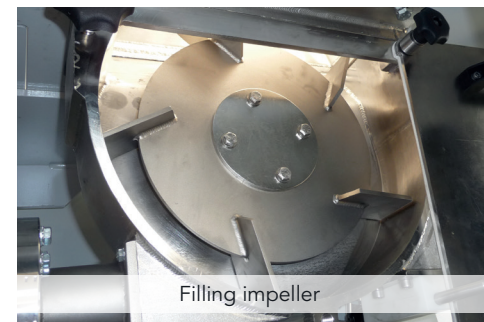
Fastest filling technology for powders - Our impeller packer



Discharge plate for residual product



Metal detector test device



Filling impeller

Our impeller packer stands for fast and low-dust valve bag filling, even of finely powdered and easily flowing products. Your product is decisive for the choice of a vertical or horizontal impeller wheel as well as the design of the impeller wheel diameter.

Your advantages:

- High packaging performance due to bag filling without overpressure and minimal deaeration times
- Weight-accurate filling due to coarse and fine dosing
- Optimum pallet utilisation due to particularly low-air and compactly filled bags
- Reliable filling even of air-tight bags for improved product protection
- Reduced maintenance due to the use of low-wear components
- Compact bag filling due to the well proven impeller packer concept
- Sealing of the bag to be filled by the BEHN + BATES filling nozzle with inflatable sleeve

Options:

- Metal detector, integrated in the filling channel, with test device for different types of metal
- Valve bag sealing station with ultrasonic technology



Machine capacity

300 bags/h per spout,
25 kg each



Filling weights

from 10 kg to 25 kg



Especially suitable for

Native and alkalized
cocoa powder;
Low fat and fat
cocoa powder
(10-12% and 22-24%)



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Your product under seal - Our ultrasonic sealing station



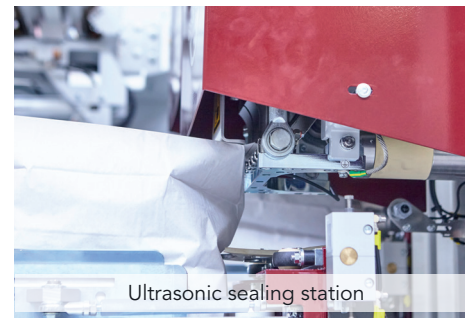
Your products only meet the quality required on the market if they arrive at your customers perfectly protected from external influences. To ensure that this is the case, we equip virtually every filling machine that leaves our production facilities with our ultrasonic sealing station. It closes all valves with a PE coating directly at the filling spout, cleanly and tightly.

Your advantages:

- Optimum product protection
- Maximum cleanliness of the entire filling line
- Space and cost saving integration in the filling machine frame
- Dust explosion protection with ATEX certification

Options:

- Pressure changeover for welding of paper and PE bags
- Double welding seam
- ATEX version for Zone 21



A sign of quality.

It is only in a tightly sealed bag that your product will arrive hygienically to your end consumers - an outstanding quality feature for which you stand with your name.

Straight ahead - Our valve bag applicator



For automation of your bagging system, we offer you our FRONTLINE and COMPACT valve bag applicators.

Your advantages:

- Safe application of the bags through linear movements
- Optimum pre-opening of the valves through opening cones
- Flexible space planning due to free choice of bag magazine
- Reduced maintenance required due to good accessibility
- Easy conversion to different bag sizes

Options:

- Integration of a labeller for marking the empty bags
- Design of the empty bag magazine with a bundle magazine carriage, vertical magazine or horizontal magazine
- Extendable versions for later retrofitting of filling spouts to increase capacity
- Motorised drives



The special feature.

All of our bag applicators place the bag linearly on the filling spout.

Plug 'n Pack - Our INTEGRA FD



Reduced machine noise, a clean working environment: thanks to our Plug 'n Pack concept, the entire process of bag application, filling and sealing takes place in a dust-tight enclosed cabinet.

Your advantages:

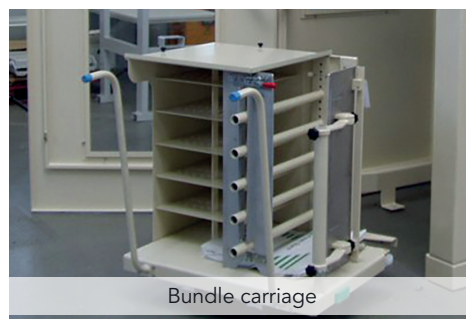
- High cleanliness of the working environment
- Reduced commissioning costs due to complete pre-assembly
- Integrated pneumatic and electric cabinets
- High operating comfort due to the touch panel and large polycarbonate windows for visual control

Options:

- Over-pressurisation with filtered air to create a hygiene zone
- Extendable versions for later retrofitting of filling spouts to increase capacity
- Different bag magazines depending on the desired capacity and space conditions



Empty bag horizontal magazine



Bundle carriage



Vertical magazine

The right filling technology for your product.

Air or impeller.
The number of filling spouts is determined to suit your product. From 1 - 4 nozzles, everything is possible, even retrofitting at a later date.



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Simply designed for convenient operation - Our open-mouth bag technology for manual operation



Our gravity packer represents the perfect balance between efficiency and flexibility for packaging companies with lower production volumes. The open-mouth bag is manually applied to the filling spout. The filling process - usually according to the gross system - is started by an operating button. During filling, your product can be compacted by a bag vibrator arranged underneath the bag chair. After filling, the bag is manually removed from the spout and transported to the chosen closing station, e.g. a sewing station.

Your advantages:

- Space savings due to compact machine design
- Cost savings due to low operating and maintenance requirements
- Easy cleaning and maintenance
- Flexibility through the use of a mobile frame for moving the packer underneath several storage silo
- Easy operation due to filling spout equipped with clamping jaws secured by antenna switch and pressure switchover



Machine capacity

up to 160 bags/h
25 kg each



Filling weights

from 5 kg to 50 kg



Especially suitable for

Chocolate drops
Cocoa cake



Vibration trough



Filling spout with clamp jaws

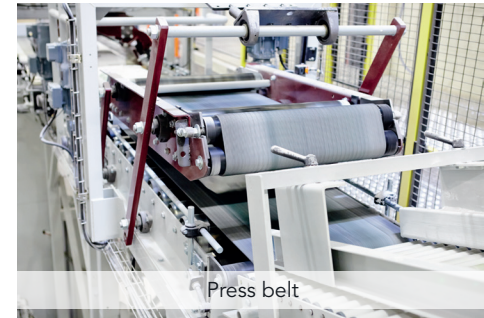


Carton filling



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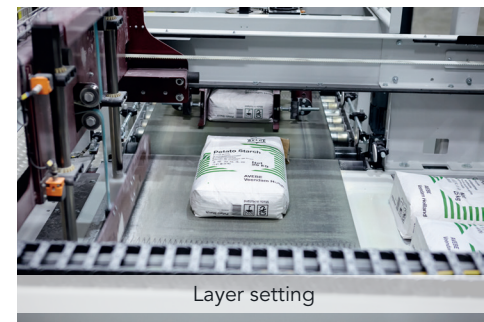
Down to earth and up high - Our TERRAM and ARCUS palletising systems



Press belt



Turning cross



Layer setting

Particularly gentle bag handling; that is what our palletisers stand for, which are produced by our sister company NEWTEC BAG PALLETIZING.

The G300 and G600 palletiser

The filled bags are placed directly on the pallet individually by the gripper robot according to the specified measurement.

The TERRAM palletiser

The palletiser with the bag feed at floor level, capable of up to 1,000 bags per hour. A turning clamp or a cross aligns the bags. The palletiser is low-maintenance and easily accessible for maintenance at all levels.

The ARCUS palletiser

Bag palletising systems from 600 to 2600 bags/h. These automatic palletisers are suitable for a very wide range of products and bag types. A turning clamp or a cross aligns the bags. The layers are built up row by row, taking into account the shape of the bag. Each layer is balanced and pressed to optimise the pallet geometry. The modular design can be expanded as throughputs and pallet patterns change.

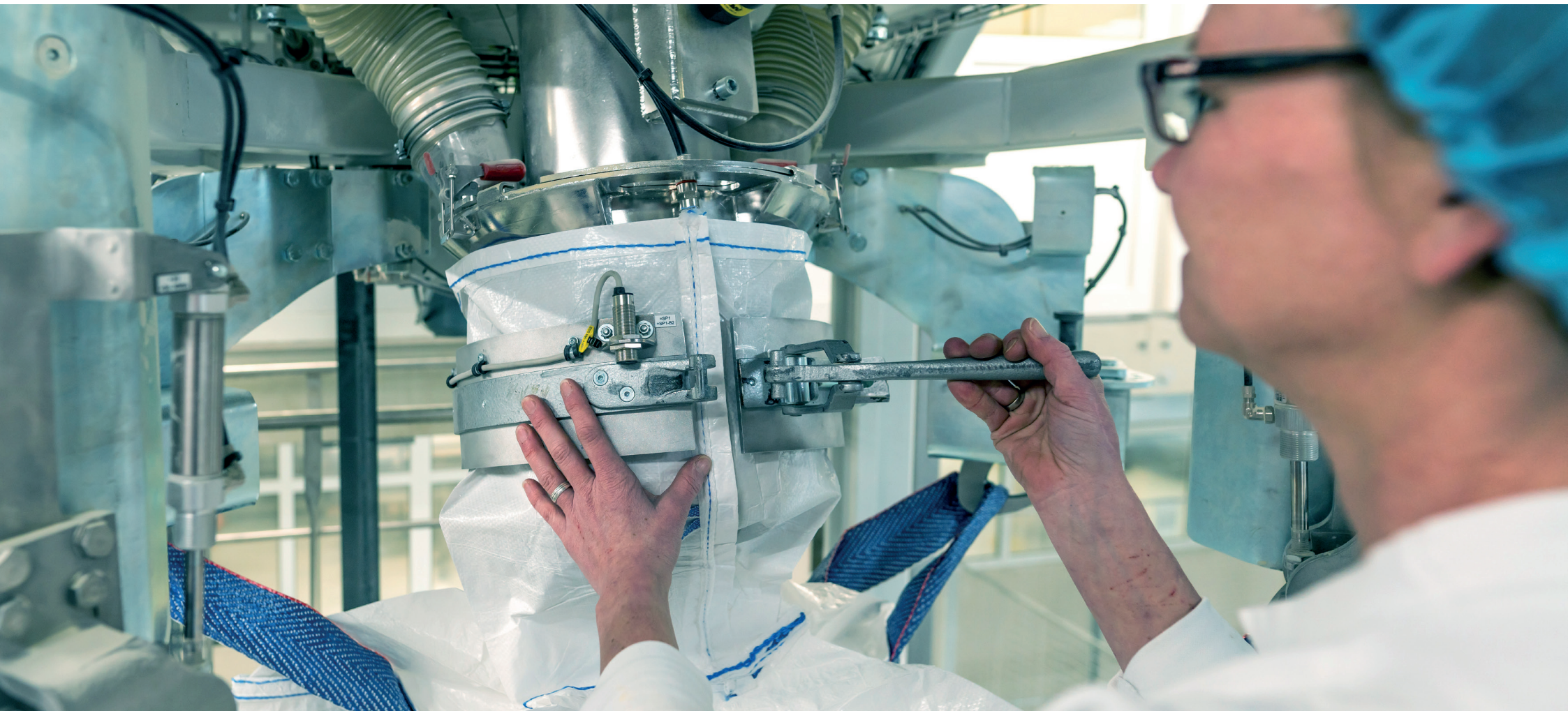
Your advantages:

- Project-oriented machine design due to the standardised modular machine construction
- Gentle bag handling due to the full bag gripper, turning clamps or cross and precise positioning on the pallet or stripper plate
- Optimum straight and attractive bag stacks through use of conforming and centering plates as required
- Reliable handling of different bag formats - and also of difficult-to-handle bags with a low fill level or easily flowing products
- Software with automatic pallet calculation and position determination depending on the bag/pallet format and palletising scheme

We deliver.

Complete storage, packaging and loading systems for bulk materials and liquids in a premium quality from a single source. You have one contact person and benefit from the expertise of an entire system chain.

Weighty - Our ELEMENTRA EGF filling stations for big bags



BIG BAGS are a cost-effective alternative to conventional bags. They are available in different designs, e.g. with internal stiffeners for improved stability. However, they all have one thing in common: they should be processed fast and cleanly - goals you can easily achieve with the BEHN + BATES big bag filling station.

Your advantages:

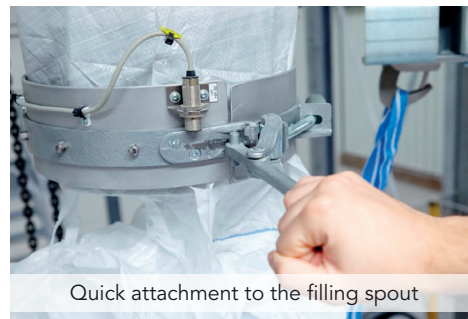
- Operator friendliness due to the swivelling rear hooks for good accessibility by operating personnel
All four hooks open automatically after filling
- Cleanliness due to an inflatable sleeve with a counter pressure ring, which seals the big bag during filling
- Stable bags due to product-appropriate dosing, filling and compaction, for which we use a vibrating table

Options:

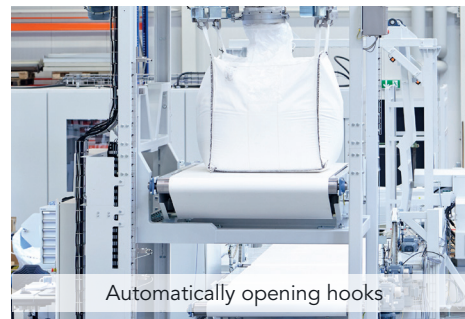
- Magnetic grids and metal detectors with a testing device
- Automatic empty pallet feeder with cover sheet dispenser
- Automatic full pallet transport
- Palletless BIG BAG transport



Automatic sample taking



Quick attachment to the filling spout



Automatically opening hooks



Machine capacity

10 bags/h
1.000 kg each



Filling weights

up to 1.000 kg



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PROCESSING STORAGE MIXING FILLING PACKING PALLETIZING LOADING DIGITALIZATION



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